

Title (en)

Closing unit for a three-platen injection moulding machine

Title (de)

Schliesseinheit einer Drei-Platten-Spritzgiessmaschine

Title (fr)

Unité de fermeture pour une machine à mouler par injection à trois plateaux

Publication

**EP 1291147 B1 20040331 (DE)**

Application

**EP 01119903 A 20010817**

Priority

EP 01119903 A 20010817

Abstract (en)

[origin: WO03016019A1] The locking unit on a three-plate injection moulding machine comprises a nozzle plate (1), a moving mould tensioning plate (2) and an end plate (3). The nozzle plate (1) and the end plate (3) are connected to each other by means of columns (4) on which the moving mould tensioning plate (2) runs in a displaceable manner. An articulated joint arrangement (5) is provided between the end plate (3) and the moving mould tensioning plate (2), which is acted upon by a drive unit (6). A length-adjustable encapsulating element (13) runs between the end plate (3) and the moving mould tensioning plate (2).

IPC 1-7

**B29C 45/17**

IPC 8 full level

**B29C 45/66** (2006.01); **B29C 45/17** (2006.01); **B29C 45/83** (2006.01)

CPC (source: EP US)

**B29C 45/17** (2013.01 - EP US); **B29C 45/83** (2013.01 - EP US); **B29C 2045/1797** (2013.01 - EP US)

Cited by

DE102004042744B4

Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

**EP 1291147 A1 20030312**; **EP 1291147 B1 20040331**; AT E263008 T1 20040415; DE 50101856 D1 20040506; JP 2004538179 A 20041224; US 2004191360 A1 20040930; US 6939124 B2 20050906; WO 03016019 A1 20030227

DOCDB simple family (application)

**EP 01119903 A 20010817**; AT 01119903 T 20010817; DE 50101856 T 20010817; EP 0209102 W 20020814; JP 2003520555 A 20020814; US 78053804 A 20040217